**Pulled From The Past Soil**

3.4.1 Outline how soil systems integrate aspects of living systems  
  
3.4.2 Compare and contrast the structure and properties of sand, clay, and loam soils, including their effect on primary productivity  
  
3.4.3 Outline the processes and consequences of soil degradation  
  
3.4.4 Outline soil conservation measures

🡪What are the characteristics of sandy, clay, and loamy soils?

🡪Identify characteristics that indicate a soil’s fertility.

🡪What are ways to avoid nitrogen loss in soil?

🡪Describe how sandy, clay, and loamy soil’s characteristics impact farming.

🡪Compare the soils of temperate and tropical forests.

🡪Explain various nitrogen storages (biomass, surface litter, and soil)

🡪How does clear cutting and slash and burn impact soils?

🡪Define leaching. Is this a transfer or a transformation?

🡪Explain how soil is a system. Draw a systems diagram for soil.

🡪Explain how overgrazing, deforestation, urbanization, and the addition of organic material impact soils.

🡪Explain the causes of desertification.

🡪Explain the the process of soil degradation. Give the consequences of this process.

🡪Give approaches to soil conservation from the three main environmental worldviews.

🡪Give an example of how societies are using soil unsustainably.

🡪Explain how global warming may impact soils.

🡪Explain how the status soils as a natural resource has changed over time.